PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 450 (ANNAPOLIS RD) AND I-95 SOUTHBOUND RAMPS IN PRINCE GEORGE'S COUNTY. THE MODIFICATION WILL UPGRADE THE EXISTING PEDESTRIAN SIGNALS TO COUNTDOWN PEDESTRIAN SIGNALS AND THE EXISTING PEDESTRIAN PUSHBUTTONS TO AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS. MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

- 1. THE INTERSECTION OPERATES IN A NEMA FOUR (4) PHASE, FULLY-ACTUATED MODE. MD 450 APPROACHES AND A PEDESTRIAN PHASE ACROSS I-95 SOUTHBOUND OFF RAMP OPERATE CONCURRENTLY, AND AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE WITH FLASHING RED ARROW IS PROVIDED FOR EASTBOUND LEFT TURNS. THE SOUTHBOUND APPROACH FOR I-95 SOUTHBOUND OFF RAMP OPERATES AS ITS OWN PHASE. AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED TO CROSS MD 450 ACROSS THE WEST LEG. AN ALTERNATE PDESTRIAN PHASE WITH AUDIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED ACROSS MD 450 AND ACTUATED AUDIBLE PEDESTRIAN PHASE SHALL BE INSTALLED ACROSS THE I-95 SOUTHBOUND RAMPS.
- 2. AN EXISTING FULL-TRAFFIC-ACTUATED, EIGHT (8) PHASE CONTROLLER WITH INTERCONNECT IN A NEMA SIZE "6" BASE MOUNTED CABINET SHALL BE UTILIZED. A NEW 2-WIRE CENTRAL CONTROL UNIT FOR PEDESTRIAN SIGNAL OPERATION SHALL BE INSTALLED INTO THE CABINET.

III. SPECIAL NOTES

APS WILL FUNCTION AS FOLLOWS:
TO CROSS MD 450 (ANNAPOLIS RD / NORTH-SOUTH)

- 1. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE: "WAIT TO CROSS ANNAPOLIS AT I-95 RAMPS."
- WHEN THE WALK PHASE BEGINS, THE PUSHBUTTON UNIT WILL PROVIDE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.
- TO CROSS I-95 RAMPS (EAST-WEST)
- 1. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE: "WAIT TO CROSS I-95 RAMPS AT ANNAPOLIS."
- 2. WHEN THE WALK PHASE BEGINS. THE PUSHBUTTON UNIT WILL PROVIDE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

CONTACTS

DISTRICT	OFFICE OF TRAFFIC AND SAFETY
MR. BRIAN YOUNG DISTRICT ENGINEER 301-513-7311	MR. RICHARD DAFF SR. CHIEF. TRAFFIC OPERATIONS 410-787-7630
MS. FELECIA MURPHY ASSISTANT DISTRICT ENGINEER - TRAFFIC 301-513-7358	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. VICTOR GRAFTON ASSISTANT DISTRICT ENGINEER - UTILITIES 301-513-7350	MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS 410-787-7650
MR. KEVIN NOWAK & MR. DUANE BERNARD ASSISTANT DISTRICT ENGINEER — CONSTRUCTION 301-513-7336	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS 410-787-7670
MR. VERNON STINNETT ASSISTANT DISTRICT ENGINEER - MAINTENANCE 301-513-7304	MS. DARLENE EIDE SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

EQUIPMENT LIST

Α.	EQUIPMENT	TO	BE	FURNISHED	ВΥ	STATE	HIGHWAY	ADIMISTRATION
					_	-		110 111110 111111 1 2011

ITEM NO.	QUANTITY	DESCRIPTION
9570	50.5 SF 5 EA 2 EA 2 EA 1 EA 1 EA	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN W11-2 - PEDESTRIAN CROSSING (30"×30") W16-7p(R) - DIAGONAL ARROW RIGHT (24"×12") W16-7p(L) - DIAGONAL ARROW LEFT (24"×12") W13-4(1) - ACROSS RAMP (36"×24") R4-7 - KEEP RIGHT (24"×30")
9571	24 SF 1 EA	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN M5-1(6) - ASSOCIATED SHIELD ASSEMBLY (48"x72")

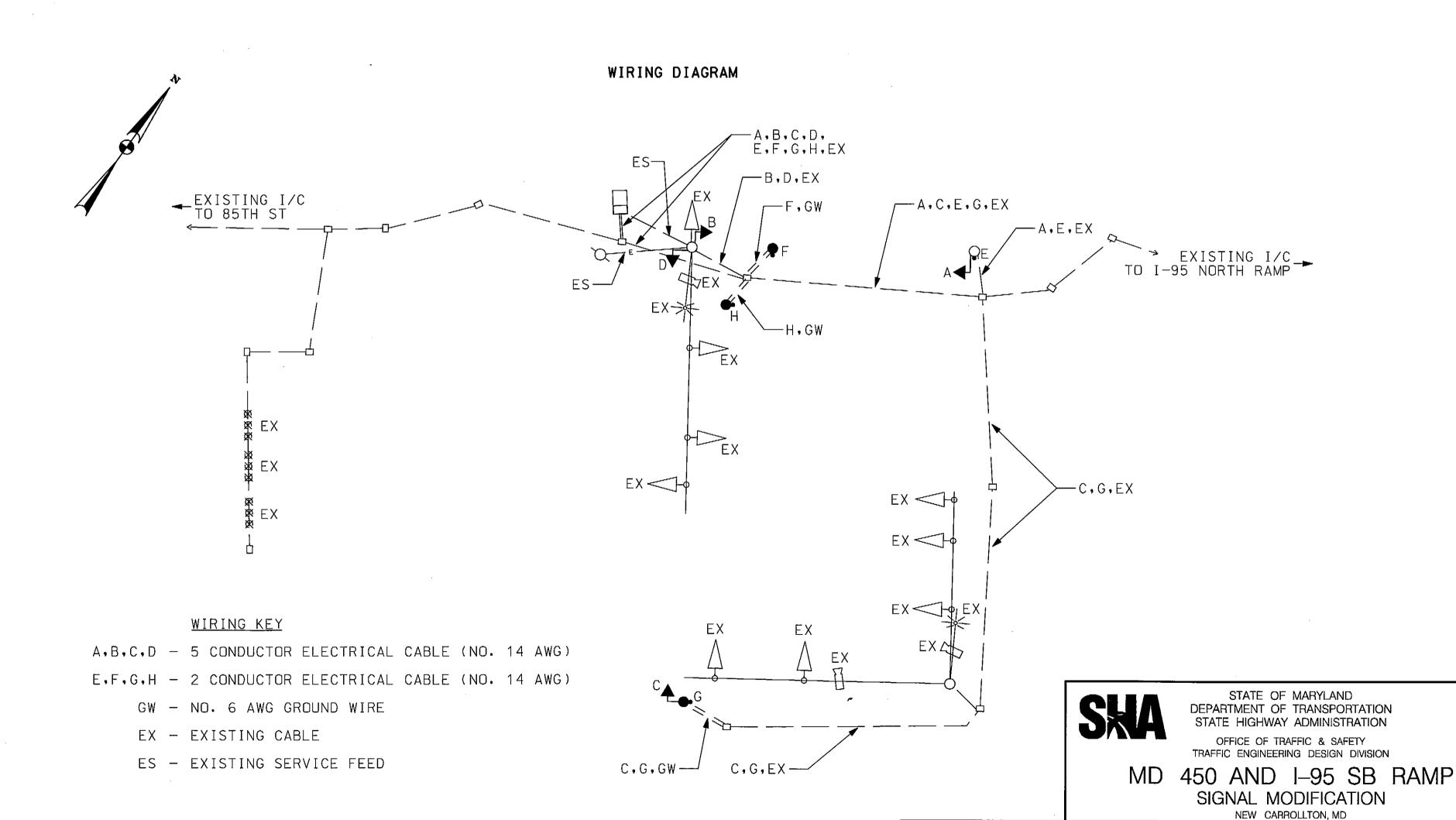
ITEM NO.	QUANTITY	DESCRIPTION
TEW NO.	GOANTITI	DESCRIPTION
1001	500 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS, ANY WIDTH
1002	1 LS	MAINTENANCE OF TRAFFIC
2002	2 CY	TEST PIT EXCAVATION
5005	505 LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8001	4 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8002	3 EA	BREAKAWAY PEDESTAL POLE - ANY SIZE
8003	1 EA	FURNISH AND INSTALL 2 WIRE CONTROL UNIT
8004	4 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8005	4 EA	PEDESTRIAN EDUCATION SIGN
8007	1 EA	REMOVE AND DISPOSE PER ASSIGNMENT
8010	15 LF	WOOD SIGN SUPPORTS 4" X 4"
8011	1 EA	ADJUST EXISTING HANDHOLE
8012	45 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8013	35 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8015	50.5 SF	INSTALL GROUND MOUNTED SIGN
8019	2 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8020	625 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8021	640 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
NEG	1126 SF	REMOVAL OF EXISTING BRICK PATTERN
NEG	115 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
NEG	1 EA	REMOVE FOUNDATION 12" BELOW GRADE
NEG	87 LF	WOOD SIGN SUPPORTS 4" X 6"
NEG	24 SF	INSTALL POLE MOUNTED SIGN

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.





PHASE 1 & 6	∢ G –	∢ G-	G	G	R	R	R	R	R	DW	DW	
1 CHANGE	◄ Y-	∢ Y~	G	G	R	R	R	R	R	DW	DW	
PHASE 2 & 6	FL/RA	FL/RA	G	G	G	G	R	R	R	WK	DW	00
PED. CLEAR	FL/RA	FL/RA	G	G	G	G	R	R	R	FL/DW	DW	←
2 & 6 CHANGE	⊲ R−	⊲ R−	Υ	Y	Y	Υ	R	R	R	υW	DW	-
PHASE 4	∢ R−	⊲ R−	R	R	R	R	G	G	G	DW	DW	
4 CHANGE	∢ R−	∢ R~	R	R	R	R	Υ	Y	Y	DW	DW	↓
PHASE 4 ALT.	∢ R−	∢ R−	R	R	R	R	G	G	G	DW	WK	0 → V
PED. CLEAR	∢ R	⋖ R-	R	R	R	R	G	G	G	DW	FL/DW	
4 ALT. CHANGE	∢ R−	∢ R−	R	R	R	R	Y	Y	Y	DW	DW	
FLASHING		EL (DA		E) //	- A	-, .v	<i>5</i> 1 <i>4</i> 5			5.51	5451	4 ⁺
OPERATION	TELTHA	RA FL/RA	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	*



PLOTTED: Monday, March 01, 2010 AT 02:26 PM
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PARSONS BRINCKERHOFF

100 South Charles Street Tower I, 10th Floor Baltimore, MD 21201-2727

> Phone: 410-727-5050 Fax: 410-727-4608

DESIGNED BY

M. FUKUI

DRAWING SG 02 OF 2

GENERAL INFORMATION PLAN

N.T.S. DATE MARCH 1, 2010 CONTRACT NO. AX7035168

COUNTY ___

LOGMILE

PRINCE GEORGE'S

SHEET NO. 13 OF 15